



IRWIN

CATALOG NO. 53R3

wood-boring tools

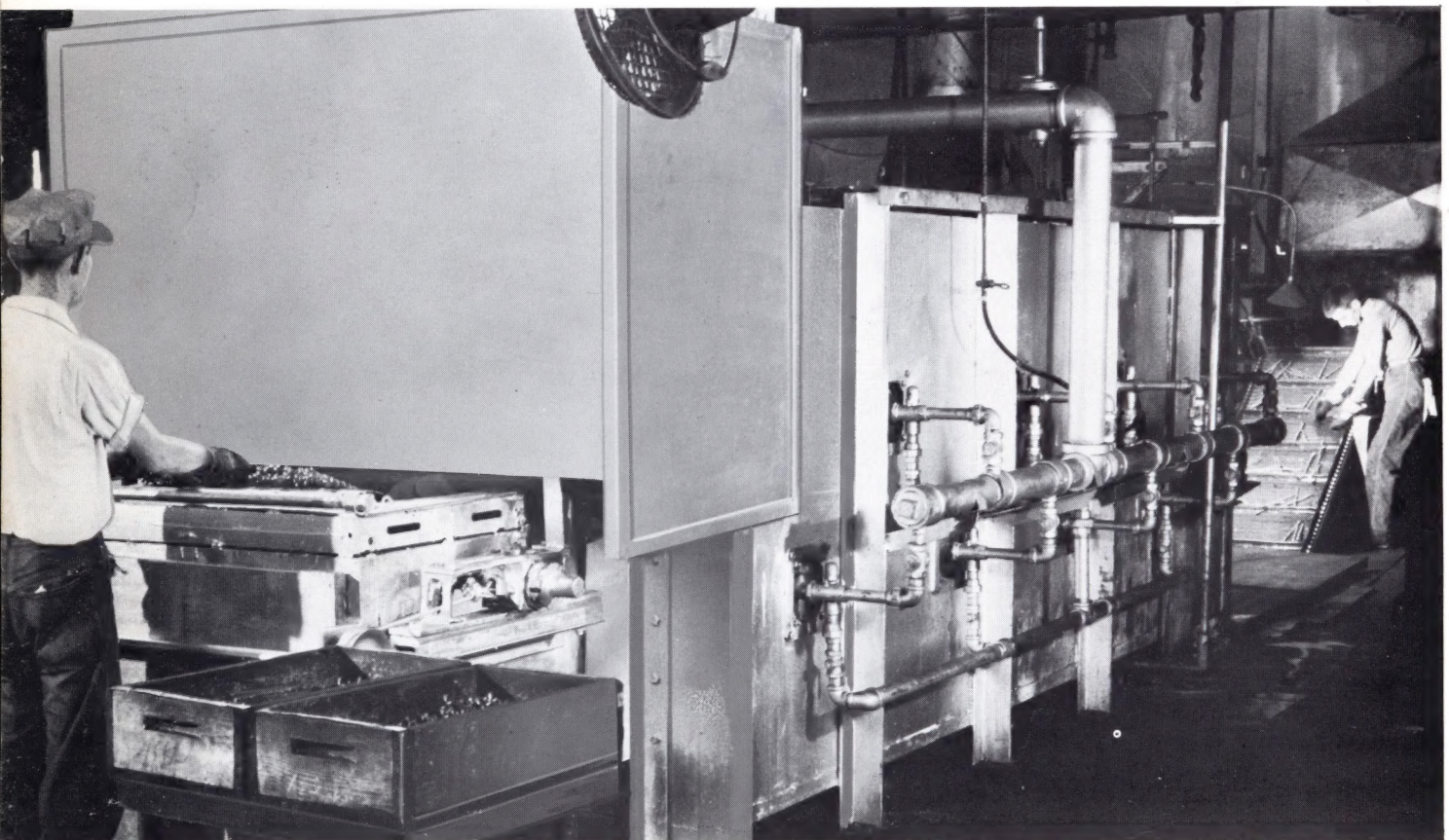
►STRAIT-LINE► CHALK LINE REEL BOXES • MICRO-FINE CHALK REFILLS • TITE-SNAP CHALK LINES

THE IRWIN AUGER BIT COMPANY, WILMINGTON, OHIO, USA



Forging. Irwin auger bits are forged in one piece from solid bars of special analysis steel. This is why they outlast and outbore bits made by any other method. Irwin originated the solid center auger bit. The specialized manufacture of this type bit requires accurate

and uniform forgings. The fact that Irwin forge operators average over 16 years of service and experience on this highly skilled operation assures forgings of a quality unequalled in the entire wood-boring tool industry.



Heat Treating. Every Irwin auger bit is heat treated and tempered full length under precisely regulated conditions in modern and scientifically controlled ovens like this. Once out of the conditioning ovens, Irwin bits are carefully inspected for uniformity

of temper. The combination of heat treating, tempering and quality control at this point in the manufacturing process guarantees a stronger, more rigid Irwin auger bit that takes and holds a keener cutting edge much longer.



Polishing. Here a skilled craftsman gives Irwin auger bits their smoother and brighter polish—but only after every unit has passed inspection under the industry's most rigid standards of quality control. This "high polish" operation is essential to the smooth,

free flow of chips through throat and twist for faster, easier boring action. It also gives Irwin bits that proud-to-own look which has become a recognized mark of quality to professional woodworkers and home handymen the world over.

THE IRWIN STORY...

typical scenes in the manufacture

of wood-boring tools that set the standards of quality the world over



Die-Making. The art of precision die-making is preserved and handed down from one generation to another at Irwin. An Irwin craftsman is shown as he hand finishes a production die to match an absolutely accurate master die. This is one important reason why the quality of Irwin auger bits is both uniform and superior.

Bore-Testing. Irwin doesn't merely "spot check" or sample production line runs. Instead, every Irwin auger bit is tested in actual use by a skilled craftsman. Only then is it approved for shipment from the factory. This final and exacting "test by performance" is the one best guarantee of customer satisfaction and repeat sales.



OUR SALES POLICY

Since the very beginning, dating back to 1885, Irwin has made its sales policy known to all. We at Irwin feel that the open announcement of our sales policy is fundamental to good customer relations and the building of a sound and lasting business.

This is Irwin's sales policy and way of doing business:

1. Irwin Bits are sold and distributed through recognized and qualified hardware wholesalers and industrial supply distributors.
2. Irwin has only one selling price. It is the same for all wholesale customers. There are no hidden discounts or extra concessions.

OUR TERMS

PAYMENT: 2% 10th Prox., Net 25th Prox.

FREIGHT ALLOWANCE: All orders for Irwin Bits weighing 150 lbs. or more will be shipped prepaid to the city in which the customer is located. We reserve the right to select the type of carrier under these terms. Customers requesting other carriers will be invoiced for any increased charges that may result. No pick-up or delivery charges will be allowed.

PARCEL POST DROP SHIPMENTS: 5% will be added automatically to the net amount of all invoices covering parcel post drop shipments.

3. Irwin Bits are consistently advertised nationally in hardware trade publications and consumer magazines. This part of Irwin's sales policy is designed to keep hardware wholesalers and retailers informed about new products and promotional helps and to build store traffic and extra dollar volume every month in the year.

A sales policy that protects you and your profits and consistently works to increase your share of the market is fundamental to Irwin's way of doing business. This is an important reason why it is always good business to do business with Irwin.

This extra charge for parcel post shipments does not apply for Expansive Bit Blades, Dials and Screws.

WITH OTHER GOODS: All orders marked "WITH OTHER GOODS" will be shipped when ready at the expense of the customer. If additional stocks on order are ready at the same time, shipments will be combined.

PRICES: Prices of all items shown in this catalog are included in Irwin's current Price List and are also available from any of the Irwin representatives shown below. All orders accepted by us will be invoiced at prices in effect at time of shipment.

OUR SALES OFFICES

Factory and General Sales Offices, Wilmington, Ohio, U.S.A.

FLEMING SALES CO., INC.

622 W. Randolph St.
Chicago, Illinois 60606

LEO A. HEAL CO.

249 Summit Avenue
Brookline, Mass. 02146

A. P. HENRICKS CO.

78 Reade Street
New York, New York 10007

WICKSTROM-BAITINGER ASSOCIATES

2017 — 7th Avenue
Seattle, Washington 98121

HOLMAN & HUEY

1916 Tubeway Avenue
Los Angeles, California 90022

V. P. LOWE & ASSOCIATES

22 Light Street
Baltimore, Md. 21202

FRED G. WOOSTER CO.

7341 Broadway
Kansas City, Mo. 64114

2300 — 26th Street

San Francisco, California 94119

4165 S. 20th East

Salt Lake City, Utah 84117

CANADIAN REPRESENTATIVES

McPHAIL AGENCIES, LTD.

439 Railway St.
Vancouver 4, B. C.
Canada

D. R. MacLENNAN & CO.

106 Dromore Crescent
Hamilton, Ontario
Canada

FOREIGN REPRESENTATIVES

MARKT & HAMMACHER

Div. of Dodge & Seymour, Ltd.
53 Park Place
New York, New York 10007

DODGE & SEYMOUR, LTD.

53 Park Place
New York, New York 10007

THE IRWIN AUGER BIT COMPANY
at Wilmington, Ohio, USA, since 1885

62T

SOLID CENTER AUGER BITS

in self-selling Sellopak display jacket



DESIGN: Solid center type with double spurs and cutters, medium fast screw pitch.

RECOMMENDED USES: For general all-around boring in practically every kind of wood.

OVERALL LENGTH: 7½ to 9½", depending on size.

SIZES: ¼ to 2¼". **WEIGHTS:** See below.

PACKAGED: Sizes ¼ to 1¼" in Irwin's self-selling Sellopak display jacket, ½ dozen to box. Sizes 1½ to 2¼" one-quarter dozen to box.

62T FEATURES

- Made from special analysis auger bit steel, highly polished finish.
- Balanced cutting head with medium fast screw pitch bores cleaner, faster and easier.
- Heat treated and tempered full length for extra strength and longest life. Cutters and extension lips will outlast any other bit.
- Open throat design gives quick clearance of chips to prevent clogging and binding.
- Cutting head coated with protective red plastic which peels off easily.
- Exclusive Irwin self-selling Sellopak dress-up jacket keeps stocks fresh and attractive, sizes ¼ to 1". Sellopak hang-up tab fits on nail, pin or hook for easy display. Also includes size, space for pricing and product features to build self-serve sales.

62T SIZES AND WEIGHTS

Sizes in 16ths	Weight per dozen in lbs.	Sizes in 16ths	Weight per dozen in lbs.	Sizes in 16ths	Weight per dozen in lbs.
4	1 ¼	10	2 ¾	16	4 ½
5	1 ¼	11	3	17	5 ½
6	1 ½	12	3 ¼	18	5 ¾
7	1 ¾	13	3 ¾	20	6 ¾
8	2	14	4	22	8
9	2 ½	15	4 ¼	24	8 ¼

62T Sellopak Merchandiser and Sets — see pages 4 and 5.

IRWIN

every bit as good as the name... since 1885

IRWIN

No. 62T

3/4"

for all purpose
boring in wood

PRICE

IRWIN
every bit as good as the name



62T

BITS IN SETS

HARDWOOD BORCHEST CASES DURAN PLASTIC BORKITS METAL WORKSHOP PANEL



BORCHESTS

- Highly finished and durable hardwood cases.
- Each bit held firmly in place by two Irwin patented spring steel clips.
- Hole sizes shown on attractive inner liner for easy selection of bits.
- Strong metal hinges and fastener hold lid securely, assure safe handling of bits.
- Attractively gift-boxed for professional woodworker, home handyman and industrial arts student.

62T BORCHEST SETS

NO. DM — 13 bits. One each in sizes $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{13}{16}$, $\frac{7}{8}$, $\frac{15}{16}$ and 1" in hardwood Borchest case.

WEIGHT: 5 $\frac{1}{4}$ lbs. **PACKAGED:** One to gift box.

NO. AM — 10 bits. One each in sizes $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$ and 1" plus one only screw driver bit in hardwood Borchest case.

WEIGHT: 4 $\frac{1}{4}$ lbs. **PACKAGED:** One to gift box.

NO. BBM — 6 bits. One each in sizes $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$ and 1" in hardwood Borchest case.

WEIGHT: 3 $\frac{1}{4}$ lbs. **PACKAGED:** One to gift box.

NO. AAM — 6 bits. One each in sizes $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$ and $\frac{3}{4}$ " in hardwood Borchest case.

WEIGHT: 3 lbs. **PACKAGED:** One to gift box.

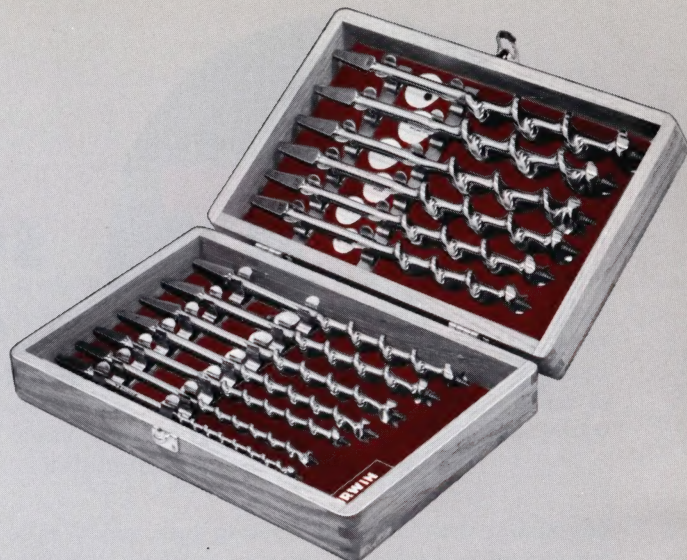


NO. D-13 WORKSHOP SET

- All-metal storage panel for home workshop, tool cribs and industrial arts classrooms.
- Two Irwin patented spring steel clips hold each bit.
- Bit sizes shown on panel for easy selection.

NO. D-13 — 13 bits. One each in sizes $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{11}{16}$, $\frac{3}{4}$, $\frac{13}{16}$, $\frac{7}{8}$, $\frac{15}{16}$ and 1" on metal storage rack.

WEIGHT: 4 $\frac{1}{2}$ lbs. **PACKAGED:** One to box.



62T BORKIT ROLLS

- Made of extra strong, durable Duran red plastic.
- Each bit conveniently held in individual pocket.
- Rolled and tied with web strap for easy handling.
- Compact and practical units — fit easily into tool boxes and workshop drawers.

NO. DR — 13 bits. One each in sizes $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{11}{16}$, $\frac{3}{4}$, $\frac{13}{16}$, $\frac{7}{8}$, $\frac{15}{16}$ and 1" in Borkit roll.

WEIGHT: 3 $\frac{1}{4}$ lbs. **PACKAGED:** One to box.

NO. AR — 10 bits. One each in sizes $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$ and 1", plus one only screw driver bit in Borkit roll.

WEIGHT: 2 $\frac{1}{4}$ lbs. **PACKAGED:** One to box.

NO. BBR — 6 bits. One each in sizes $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$ and 1" in Borkit roll.

WEIGHT: 1 $\frac{1}{2}$ lbs. **PACKAGED:** One to box.

NO. AAR — 6 bits. One each in sizes $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$ and $\frac{3}{4}$ " in Borkit roll.

WEIGHT: 1 $\frac{1}{4}$ lbs. **PACKAGED:** One to box.

M-62T

62T SELLOPAK MERCHANDISER

display stock of 13 bits in new Sellopak
dress-up jacket with free display panel

Exclusive for Irwin Distributors and Dealers

FIRST modern auger bit display panel.

FIRST modern auger bit display package
—the new Sellopak dress-up jacket.

New Merchandising Combination for fastest turnover, more dollar volume

13 DISPLAY BITS in Sellopak jackets. Most popular 62T hand brace assortment. One each in sizes $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{9}{16}$, $\frac{5}{8}$, $\frac{11}{16}$, $\frac{3}{4}$, $\frac{13}{16}$, $\frac{7}{8}$, $\frac{15}{16}$ and 1".

DISPLAY PANEL: Free with display stock of thirteen (13) 62T hand brace bits.

WEIGHT: 4 lbs. per Merchandiser Unit.

PACKAGED: Complete in individual corrugated shipping container.



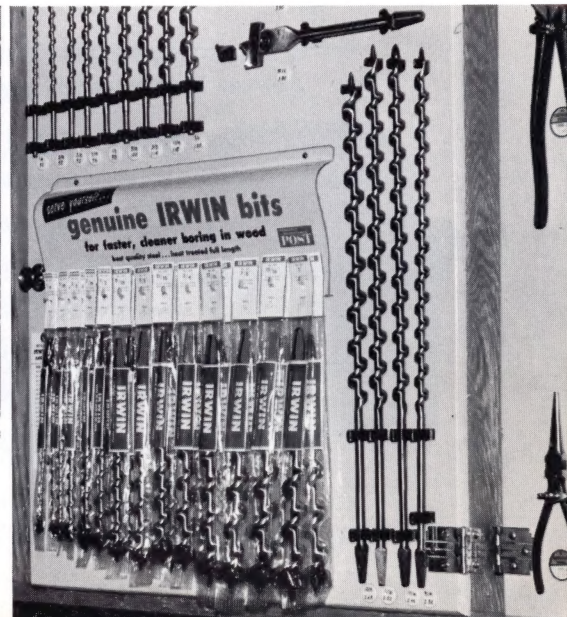
62T MERCHANDISER FEATURES

THE FREE PANEL

- All metal one-piece construction — sturdy, durable; will last for years.
- 3 colors — handsome baked enamel finish.
- Easy to mount on peg board, walls, doors and end of island tables.
- Displays all 13 sizes in only 14 $\frac{3}{4}$ " of space.
- Permanent-type hooks hold several of each size.

THE SELLOPAK

- Exclusive with Irwin, keeps stocks fresh and attractive when on display — either on hooks or in island trays.
- Size and selling features tab invites more self-serve sales, faster turnover.
- Hang-A-Bit hole in tab for easy mounting on nail, pin, or Irwin display panel.
- Space provided for pricing each bit.



IRWIN

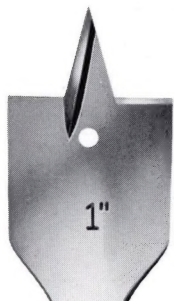
every bit as good as the name... since 1885

SPEEDBOR "88"

SPADE-TYPE WOOD BITS

in self-selling Sellopak display jacket

with 1/4" shank for use in electric drills
and drill presses



DESIGN: Spade-type with Irwin exclusive Hollow Ground Point and 1/4" ground shank. Three accurately spaced "flats" on shank for use in 3-jaw chucks.

RECOMMENDED USES: For all general wood boring performed with high speed electric drills and drill presses. Ideal for boring straight and angled holes in hard and soft woods, plywoods — even plastics.

OVERALL LENGTHS: 6 1/8", sizes 1/4 to 1"; 6 3/4", sizes 1 1/8 to 1 1/2". **SIZES:** Complete range of 17 sizes, 1/4 to 1 1/2".

WEIGHTS: See below. **PACKAGED:** Sizes 1/4 to 1" one-half dozen to box, sizes 1 1/8 to 1 1/2" one-quarter dozen to box. All sizes packaged in Irwin's new self-selling Sellopak display jacket.

SPEEDBOR "88" FEATURES

- Forged in one-piece from Irwin's special high analysis tool steel.
- Heat treated full length to give extra overall strength. Shanks will not twist off.
- Irwin exclusive Hollow Ground Point bores faster and cleaner holes.
- Precision ground shanks run true — no run-out or wobble.
- Six accurately spaced "flats" on 1/4" ground shank fit conventional chucks.
- Cutting edges and point accurately ground to correct thickness and angle.
- Large size markings on both sides of head.
- Irwin Hang-A-Bit hole for convenient storage.
- Fully polished overall.
- New Irwin Sellopak dress-up jacket permits easy display on hooks or in island trays, keeps stock fresh and attractive — builds self-serve sales.
- Protective plastic coating on cutting edges.

SPEEDBOR "88" SIZES AND WEIGHTS

Sizes	Weight per dozen in lbs.	Sizes	Weight per dozen in lbs.	Sizes	Weight per dozen in lbs.	Sizes	Weight per dozen in lbs.
1/4	3/4	9/16	1 1/8	1 3/16	1 1/4	1 1/8	2 3/4
5/16	3/4	5/8	1 1/8	7/8	1 1/4	1 1/4	2 3/4
3/8	1	1 1/16	1 1/4	1 5/16	1 1/4	1 3/8	2 3/4
7/16	1	3/4	1 1/4	1	1 1/4	1 1/2	2 3/4
1/2	1	...	...	...	...	...	...

SPEEDBOR "88" SETS



No. 884-R Set—4 Speedbor "88" Bits. One each in sizes 3/8, 1/2, 5/8 and 3/4" in red plastic roll.

Packaged: One to box.
Weight: 1/2 lb. each.

No. 886-R Set—6 Speedbor "88" Bits. One each in sizes 3/8, 1/2, 5/8, 3/4, 7/8 and 1" in red plastic roll.

Packaged: One to box.
Weight: 3/4 lb. each.

No. 8813-R Set—13 Speedbor "88" Bits. One each in sizes 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 1 1/16, 1 1/8, 7/8, 1 1/16 and 1" in red plastic roll.

Packaged: One to box.
Weight: 1 1/2 lbs. each.



No. 886-M Set—Free rack and 6 popular size Speedbor "88" wood bits. One each 3/8, 1/2, 5/8, 3/4, 7/8 and 1". Free metal workshop rack is attractive and durable. Makes an ideal gift item. Steady and profitable seller.

Packaged: One to gift box.
Weight: 3/4 lb. each.

NEW IRWIN E88 BIT EXTENSION

See page 8 for complete details about the new Irwin E88 Bit Extension. Specially designed for Irwin Speedbor "88" wood bits and all other power bits having 1/4" shanks.



No. 8817 MERCHANDISER

HOLDS ALL 17 SPEEDBOR "88" SIZES

fits in only 23" of space . . . steps-up self-serve sales . . . merchandiser panel free with purchase of 24-unit assortment of America's fastest selling 1/4" electric drill bits



Put it on display . . . sell the easy way

Order this fast-selling assortment of 24 Speedbor "88" electric drill bits in "see-through" Sellopak hang-up jackets. Two (2) each in sizes 1/4, 3/8, 1/2, 5/8, 3/4, 7/8 and 1". One (1) each in sizes 1/16, 1/8, 3/16, 1/4, 5/16, 3/8, and 1 1/2".

Get Free Merchandiser panel with your order. Permanently attached hooks hold full box of each bit size. Easy to mount at multiple traffic points throughout store. Fits on peg boards, ends of counters, island tables, doors. Steps-up "self-serve" sales of all 17 Speedbor "88" sizes.

STOCK NO. 8817. WEIGHT: 3 1/2 lbs., per complete 17-size assortment of 24 Speedbor "88" bits with free merchandiser panel. **PACKAGED:** Complete in individual shipping container.

FITS SMALL SPACE . . . DELIVERS CONSISTENT SALES

- Merchandiser profitably displays complete range of 17 Speedbor "88" sizes in only 23 inches of space.
- Extra large hooks hold full box of each bit size, 1/4" to 1 1/2". There are more bits on display to keep selections complete, to invite extra sales.
- Made in one-piece from heavy-gauge steel. Durable 3-color baked enamel finish.
- Individual sizes shown on merchandiser and "see-through" Sellopak hang-up jackets. Space provided for pricing individual bits.

DURABLE . . . PRACTICAL . . . PROFITABLE

IRWIN

every bit as good as the name . . . since 1885

E88

ELECTRIC DRILL BIT EXTENSION

for Irwin Speedbor "88" wood bits and all other power bits having 1/4" shanks

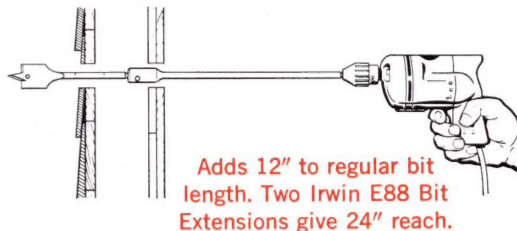


DESIGN: 12" length, set screw type. Made of special high analysis tool steel with precision ground "flats" to chuck perfectly in power drills. Set screw holds bit or extensions securely in place.

RECOMMENDED USES: For all jobs requiring extra reach to bore clean, fast holes with power bits having 1/4" shanks.

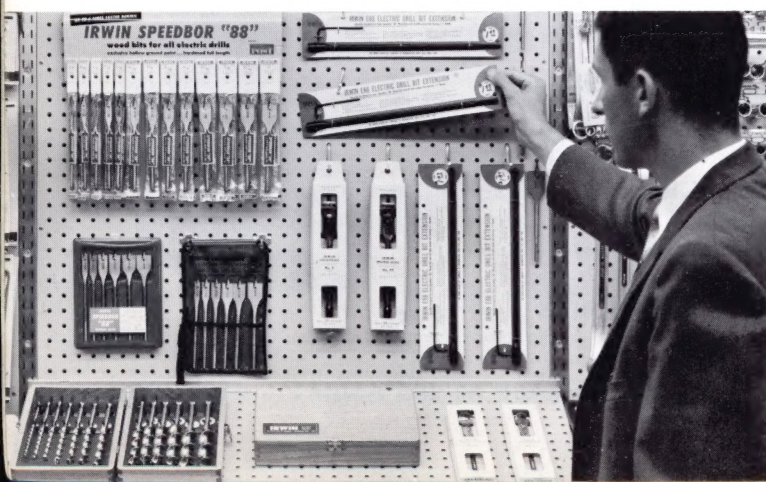
OVERALL LENGTH: 12". **WEIGHT:** 1/2 lb. each, 3 lbs. per box of 6.

PACKAGED: Each Irwin E88 Bit Extension individually mounted on self-selling hang-up cards, 6 to box. 1/8" Allen wrench supplied for tightening set screw, size 1/4" — 28 x 3/16".



E88 BIT EXTENSION FEATURES

- Adds 12" to regular bit length.
- Two Irwin E88 Extensions give extra 24" reach.
- Will follow 5/8" and larger size bits through hole.
- Set screw holds bit or extensions securely.
- Allen wrench supplied for tightening set screw.
- Precision ground "flats" chuck perfectly in drills.
- Made of special high analysis tool steel.
- Shank heat treated and tempered for heavy duty use, longest life.
- Rust-resistant black oxide finish.
- Individually mounted on self-selling hang-up cards.



Set screw holds bit or Irwin E88 Extensions securely



Irwin precision ground "flats" chuck perfectly in power drills



62RB

TWIST TYPE WOOD BIT

with $\frac{1}{4}$ " shank for electric drills
and drill presses



DESIGN: Solid center with double cutters and spurs, brad type point and $\frac{1}{4}$ " round shank.

RECOMMENDED USES: For boring deep holes with $\frac{1}{4}$ " and larger drills where accuracy and quick chip clearance are primary requirements.

OVERALL LENGTH: 6 $\frac{1}{4}$ ". **SIZES:** $\frac{1}{16}$ to $\frac{13}{16}$ " — see below.

WEIGHTS: See below. **PACKAGED:** $\frac{1}{2}$ dozen to box.

62RB FEATURES

- Made from special analysis bit steel, fully polished.
- Heat treated for extra strength, longest life.
- Accurately milled brad point makes bit easy to center and start hole.
- Precision ground shank assures true running point — no wobble, no run-out.
- Twist section conveys chips quickly from hole, prevents clogging and binding.
- Bores more accurately because twist helps pilot the bit in hole.
- Protective red plastic coating on head keeps bits factory sharp.

62RB SETS IN ROLLS AND DISPLAY BOXES

ROLL SETS

NO. 62RB1 — roll set of 5. One each in sizes $\frac{1}{16}$, $\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{2}$ and $\frac{5}{8}$ ". Durable and convenient red plastic roll.

Packaged: One to box. **Weight:** $\frac{3}{4}$ lb. per set.

NO. 62RB2 — roll set of 5. One each in sizes $\frac{1}{16}$, $\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{2}$ and $\frac{13}{16}$ ". Durable and convenient red plastic roll.

Packaged: One to box. **Weight:** $\frac{3}{4}$ lb. per set.

DISPLAY BOXES

NO. 62RB3 — set of 5 in attractive display box. One each in sizes $\frac{1}{16}$, $\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{2}$ and $\frac{5}{8}$ ".

Packaged: One to box. **Weight:** $\frac{3}{4}$ lb. per set.

NO. 62RB4 — set of 5 in attractive display box. One each in sizes $\frac{1}{16}$, $\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{2}$ and $\frac{13}{16}$ ".

Packaged: One to box. **Weight:** $\frac{3}{4}$ lb. per set.

62RB SIZES AND WEIGHTS

Sizes in 16ths	Weight per dozen in lbs.
4	$\frac{3}{4}$
5	1
6	1
7	1 $\frac{1}{4}$
8	1 $\frac{1}{2}$
9	1 $\frac{3}{4}$
10	2
11	2
12	2 $\frac{1}{4}$

**IRWIN**

every bit as good as the name ... since 1885

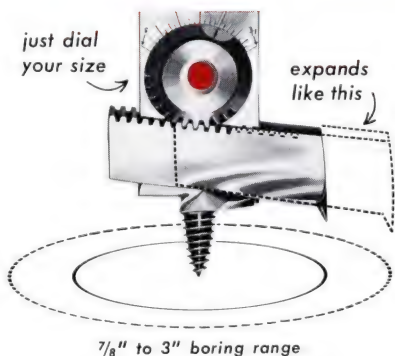


MICRO-DIAL EXPANSIVE BITS

An ideal gift for the home handyman, industrial arts student and professional woodworker

No. 21 (Small) bores up to 19 standard size holes

No. 22 (Large) bores up to 35 standard size holes



DESIGN: One-piece forged construction with Irwin exclusive Micro-Dial size adjustment and medium slow screw pitch.

RECOMMENDED USES: For general purpose boring in all types of wood where a variety of larger size holes are required, such as installing locks, roughing holes for pipe, school shop projects and similar work.

OVERALL LENGTHS: No. 21 — 7 $\frac{1}{8}$ "; No. 22 — 8 $\frac{1}{8}$ ".

SIZES: No. 21 (Small) bores $\frac{7}{8}$ " to 1 $\frac{3}{4}$ ".

No. 22 (Large) bores $\frac{7}{8}$ " to 3".

WEIGHTS: See below. **PACKAGED:** One to attractive display and gift box with new Irwin hang-up tab. Box stores conveniently on shelf or hangs on peg board, nail, or pin to invite more self-serve sales.

MICRO-DIAL FEATURES

- Drop forged from special analysis bit steel.
- Heat treated full length for longest life.
- Exclusive Irwin Micro-Dial provides positive blade lock for more accurate boring action.
- Easy-to-read dial markings for quick assembly

of cutter blades and selection of hole sizes.

- Clean biting and extra sharp screw point provides maximum pulling power.
- High polish finish gives proud-to-own look.
- All replacement parts available at nominal cost.

MICRO-DIAL SIZES AND WEIGHTS

No. 21 Small . . . Bores $\frac{7}{8}$ " to 1 $\frac{3}{4}$ " . . . Weight per dozen: 4 $\frac{3}{4}$ lbs.

No. 22 Large . . . Bores $\frac{7}{8}$ " to 3" . . . Weight per dozen: 6 $\frac{3}{4}$ lbs.

MICRO-DIAL EXTRA PARTS AND CUTTERS

CUTTERS



No. 21S — Small, cuts $\frac{7}{8}$ " to 1".



No. 23L — Large, cuts $\frac{7}{8}$ " to 1 $\frac{1}{2}$ ".



No. 22S — Small, cuts 1 to 1 $\frac{3}{4}$ ".



No. 24L — Large, cuts 1 $\frac{1}{2}$ " to 3".

DIALS: No. 25D — Small Size; No. 26D — Large Size.

SCREWS: No. 27S.



Display Box with
New Irwin Hang-Up Tab

IRWIN

every bit as good as the name . . . since 1885

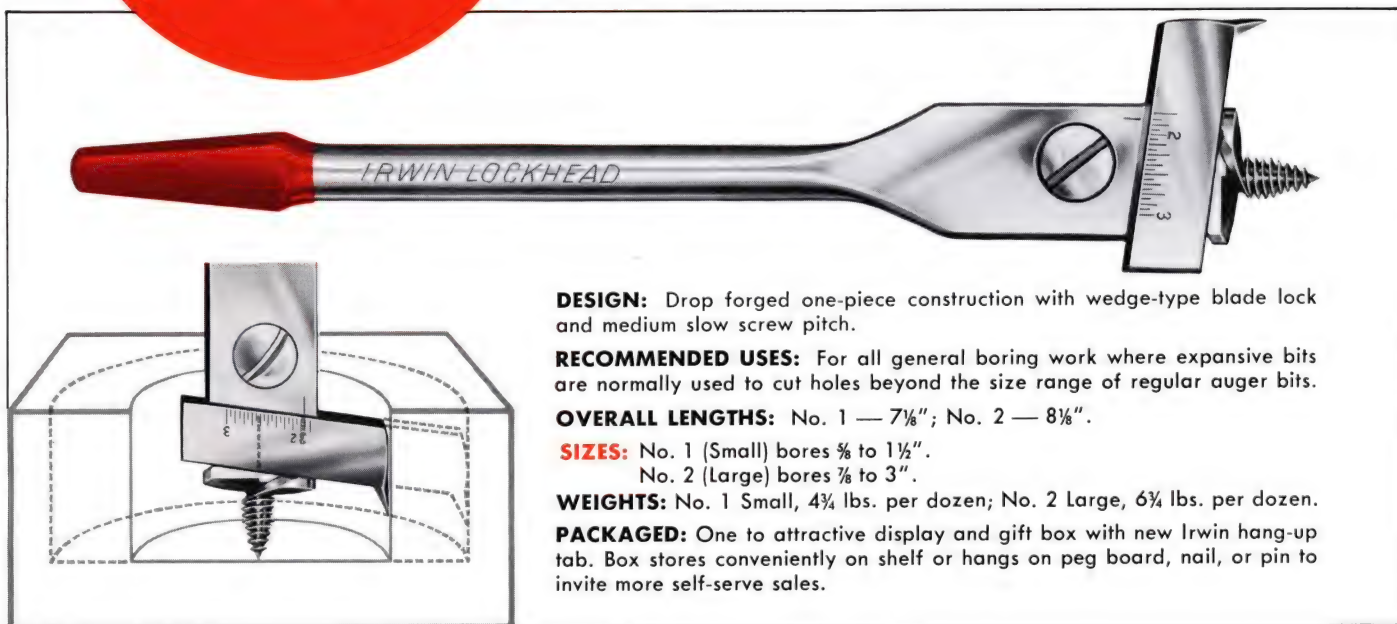
No. 1
No. 2

LOCKHEAD EXPANSIVE BITS

(Clark Pattern Type)

No. 1 (Small) bores up to 15 standard size holes

No. 2 (Large) bores up to 35 standard size holes



DESIGN: Drop forged one-piece construction with wedge-type blade lock and medium slow screw pitch.

RECOMMENDED USES: For all general boring work where expansive bits are normally used to cut holes beyond the size range of regular auger bits.

OVERALL LENGTHS: No. 1 — 7 $\frac{1}{8}$ "; No. 2 — 8 $\frac{1}{8}$ ".

SIZES: No. 1 (Small) bores $\frac{5}{8}$ to 1 $\frac{1}{2}$ ".
No. 2 (Large) bores $\frac{7}{8}$ to 3".

WEIGHTS: No. 1 Small, 4 $\frac{3}{4}$ lbs. per dozen; No. 2 Large, 6 $\frac{3}{4}$ lbs. per dozen.

PACKAGED: One to attractive display and gift box with new Irwin hang-up tab. Box stores conveniently on shelf or hangs on peg board, nail, or pin to invite more self-serve sales.

LOCKHEAD EXPANSIVE BIT FEATURES

- Drop forged from special analysis bit steel.
- Heat treated full length for longest life.
- Easy-to-read markings for quick size adjustments.
- Extra sharp screw for maximum pulling power.
- Solid clamping of blade assures clean and accurate holes — no blade creeping.
- High polish finish gives proud-to-own look.
- All replacement parts available at nominal cost.

LOCKHEAD MACHINE EXPANSIVE BITS

for Drill Press Only

No. 1R (Small) bores $\frac{5}{8}$ to 1 $\frac{1}{2}$ " — overall length, 5 $\frac{1}{2}$ ".

No. 2R (Large) bores $\frac{7}{8}$ to 5" — overall length, 6 $\frac{1}{2}$ ".

Lockhead Drill Press Expansive Bits have all of the features described for the Standard No. 1 and No. 2 types, plus a special

precision-ground shank. Shanks have three equally spaced "flats" for use in drill presses having 3-jaw chucks.



LOCKHEAD MACHINE EXPANSIVE BITS — SIZES AND WEIGHTS

Type	Boring Range	Blades Furnished	Packaged	Round Shank Size	Weight per doz. in lbs.
No. 1R	$\frac{5}{8}$ to 1 $\frac{1}{2}$ "	1S, 2S	One to Box	$\frac{7}{32}$ x 1 $\frac{1}{2}$ "	4 $\frac{1}{4}$
No. 2R	$\frac{7}{8}$ to 5"	3L, 4L, 5L	One to Box	1 $\frac{1}{32}$ x 1 $\frac{1}{2}$ "	7

EXTRA CUTTERS FOR ALL LOCKHEAD EXPANSIVE BITS

No. 1S—Small, cuts $\frac{5}{8}$ to 1".

No. 2S—Small, cuts 1 to 1 $\frac{1}{2}$ ".

No. 3L—Large, cuts $\frac{7}{8}$ to 1 $\frac{1}{2}$ ".

No. 4L—Large, cuts 1 $\frac{1}{2}$ to 3".

No. 5L—Large, cuts 3 to 5".



Display Box with New Irwin Hang-Up Tab

62R

MACHINE BITS

$\frac{1}{2}$ " x 2" shanks for power drills
and boring machines



DESIGN: Solid center type with double cutters and extension lips. Medium fast screw pitch. Specially heavy stem gives extra overall strength and rigidity to reduce vibration. Stem is heavier at shank section to give added strength where greatest strain occurs.

RECOMMENDED USES: For all general and special purpose boring in power drills, drill presses and boring machines with $\frac{1}{2}$ " or larger chucks.

LENGTHS: Made with 4, 6, 8, 10 and 12" twists. Overall lengths consist of twist plus 2" round shank. Example: An Irwin 62R bit with a 6" twist measures 8" overall.

SIZES: $\frac{1}{16}$ to $\frac{1}{4}$ ". **WEIGHTS:** See below. **PACKAGED:** $\frac{1}{2}$ dozen to box.

MACHINE BIT FEATURES

- Made from special bit steel, highly polished.
- Irwin balanced head gives smooth and even cutting action, reduces vibration.
- $\frac{1}{2}$ " round shanks are precision turned to align perfectly with screw point. Points run true.
- Quick chip clearance through wide and open throat — no clogging, no binding.
- Heat treated and tempered full length for extra strength, longest life.
- Protective red plastic coating on head.

62R SIZES AND WEIGHTS PER DOZEN BITS

Sizes in 16ths	4" Twist 6" Overall Weight in lbs.	6" Twist 8" Overall Weight in lbs.	8" Twist 10" Overall Weight in lbs.	10" Twist 12" Overall Weight in lbs.	12" Twist 14" Overall Weight in lbs.
4	1 $\frac{3}{4}$	2	2 $\frac{1}{4}$	2 $\frac{1}{2}$	2 $\frac{3}{4}$
5	2	2 $\frac{1}{4}$	2 $\frac{3}{4}$	3	3
6	2 $\frac{1}{4}$	2 $\frac{1}{2}$	3	3 $\frac{1}{4}$	3 $\frac{3}{4}$
7	2 $\frac{1}{4}$	2 $\frac{3}{4}$	3 $\frac{1}{4}$	3 $\frac{1}{2}$	4
8	2 $\frac{1}{2}$	3	3 $\frac{3}{4}$	4	4 $\frac{3}{4}$
9	3	3 $\frac{1}{2}$	4 $\frac{1}{4}$	4 $\frac{3}{4}$	5 $\frac{1}{2}$
10	3 $\frac{1}{4}$	4	5	5 $\frac{3}{4}$	6 $\frac{3}{4}$
11	3 $\frac{1}{2}$	4 $\frac{1}{2}$	5 $\frac{1}{2}$	6 $\frac{1}{4}$	7 $\frac{1}{2}$
12	3 $\frac{3}{4}$	4 $\frac{3}{4}$	6 $\frac{1}{4}$	6 $\frac{3}{4}$	8
13	4	5 $\frac{1}{4}$	6 $\frac{1}{2}$	7 $\frac{1}{2}$	9
14	4 $\frac{1}{4}$	5 $\frac{1}{2}$	6 $\frac{3}{4}$	8 $\frac{1}{4}$	9 $\frac{3}{4}$
15	4 $\frac{1}{4}$	6	7 $\frac{1}{2}$	9 $\frac{1}{2}$	10 $\frac{1}{2}$
16	4 $\frac{1}{2}$	6 $\frac{1}{2}$	7 $\frac{3}{4}$	9 $\frac{3}{4}$	11

Special Machine Bits: Prices and delivery promptly quoted upon request in cases where special sizes, cutting heads, shank design or lengths are required. Send specifications to Irwin, Wilmington, Ohio.

32R 3ER 312R

ELECTRICIAN MACHINE BITS

for electric drills and boring machines



No. 32R SOLID CENTER MACHINE BIT

1/2" x 2" round shank



DESIGN: Solid center type with fast screw pitch, single cutter and spur. 1/2" turned round shank for use in electric drills with 1/2" or larger chucks. Bits with 4" and 6" twists have "flatted" section on round shank for use in boring machines which require 1/2" flatted shank.

RECOMMENDED USES: Widely used by electricians, telephone workers, plumbers and others for fast boring where

smooth holes are not required, such as stringing wire and conduit through joists and beams. 4" and 6" twists are also used in boring machines which require 1/2" flatted shanks.

WEIGHTS AND SIZES: Popular electrician sizes with 4, 6, 8, 12 and 18" twist lengths, as shown below.

PACKAGED: 1/2 dozen to box.



No. 3ER SOLID CENTER ELECTRIC DRILL BIT

23/64" x 2 3/8" round shank



DESIGN: Solid center type with fast screw pitch, single cutter and spur. Three flats on shank for use in a 3-jaw chuck, two set screw holes on one "flat" for use in power bit extension.

RECOMMENDED USES: The 3ER is made especially for use with power bit extensions where extra length is re-

quired. Can also be used for normal boring in any electric drill with 3/8" or larger capacity.

OVERALL LENGTH: 8" with 5 5/8" twist.

WEIGHTS AND SIZES: See below.

PACKAGED: 1/2 dozen to box.



No. 312R SINGLE TWIST ELECTRIC DRILL BIT

1/2" x 2 1/4" round shank



DESIGN: Single twist type with fast screw pitch, single cutter and spur.

RECOMMENDED USES: Same as 32R above.

WEIGHTS AND SIZES: Popular electrician sizes with 8,

12 and 18" twist lengths as shown below.

PACKAGED: Sizes up to 1 1/16" one-half dozen to box, larger sizes 1/4 dozen to box.

32R, 3ER, 312R FEATURES

- Forged from special analysis bit steel, fully polished.
- Heat treated and tempered full length for extra strength, longest life.

- Round shanks machine-turned to give true, straight running — no wobble, no run-out.
- Clear, open throat — no clogging, no binding.

SIZES AND WEIGHTS PER DOZEN—32R, 3ER, 312R

Sizes in 16ths	32R 4" Twist Wt. in lbs.	32R 6" Twist Wt. in lbs.	32R 8" Twist Wt. in lbs.	32R 12" Twist Wt. in lbs.	32R 18" Twist Wt. in lbs.	3ER 5 5/8" Twist Wt. in lbs.	312R 8" Twist Wt. in lbs.	312R 12" Twist Wt. in lbs.	312R 18" Twist Wt. in lbs.	Sizes in 16ths
7	...	...	4	5	..	...	4	5	..	7
8	...	...	4 1/2	..	..	...	5	..	..	8
11	3 3/4	4 1/2	...	7 3/4	11	3 1/2	..	9	13	11
12	4	5	...	..	..	3 3/4	..	..	..	12
13	4 1/4	5 1/4	...	9 1/2	14	4	..	12	16	13
14	4 1/2	5	...	...	..	4 1/4	..	..	..	14
16	5	6 1/2	...	...	..	4 3/4	..	..	..	16
17	...	...	...	...	..	...	..	..	25	17

NEW IRWIN

Adapter Shank

Patented

Fits both power drills and bit brace chucks

cuts inventory costs by 50%, fewer tools to carry, speeds-up work on the job



Taper square shank fits hand braces



Cut off taper square and use in both power drills and hand braces

DESIGN: Section of rounded shank, as illustrated, is precision ground to align perfectly with screw point—no wobble, no run-out when used in power drills. Six equally spaced "flats" are ground on shank to fit both hand braces and power drills. An Irwin development that cuts bit costs by 50%.

RECOMMENDED USES: For all general contracting and carpenter work, electricians, public utilities, railroad shops, ship building, mines—any heavy duty boring operation where both bit braces and power drills are used to bore deep, clean holes in finished and rough woods.

13 Irwin bits now available with new Patented Adapter Shank

32T—solid center electrician bit for boring in rough woods and all-around use. 3 to 4½" twist, 7½ to 9" overall. Sizes: ⅜ to 1½". See page 16.

3E—most widely used electrician bit. Same general specifications as 32T except 6" twist, 10" overall. Sizes: ⅜, 1½, 1½ and 1½". See page 16.

33T—short car bit with electrician head. 8" twist, 12" overall. Solid center type. Sizes: ⅜ to 1½". See page 16.

63T—short car bit with double cutters for general carpenter work. 8" twist, 12" overall. Solid center type. Sizes: ⅜ to 1½". See page 15.

35T—solid center long electrician bit. 12" twist, 18" overall. Sizes: ⅜ to 1½". See page 17.

65T—car bit for construction jobs and general all-around boring of deep, clean holes. 12" twist, 18" overall. Solid center, double-cutter type. Sizes: ⅜ to 2½". See page 15.

55T—ship head car bit for construction and repair work, railroad shops and similar uses. 12" twist, 18" overall. Solid center type. Sizes: ⅜ to 2½". See page 18.

315T—single twist type long electrician bit. 12" twist, 18" overall. Sizes: ⅜ to 1½". See page 17.

515T—single twist ship auger car bit for deep boring in large timber and general construction work. 12" twist, 18" overall. Sizes: ⅜ to 2½". See page 19.

56T—extra long ship head car bit for boring deep holes. 18" twist, 24" overall. Solid

center type. Sizes: ⅜ to 1½". See page 18.

415T—pole bit. Single twist type with single spur, cutter and side lip. Medium fast screw pitch. Specially designed to bore through creosoted poles without clogging, binding or stopping to clear chips. Equally efficient for boring large timbers used in heavy construction. 12" twist, 6" shank, 18" overall. Sizes: ⅜ to 1½". See page 21.

413T—short pole bit. For boring small poles and crossarms. 8" twist, 4" shank, 12" overall. Sizes: ⅜ to 1½". See page 21.

416T—extra long pole bit. For boring extra large poles and all other jobs where extra deep holes are required. 18" twist, 6" shank, 24" overall. Sizes: ⅜ to 1½". See page 21.

Packaged: Sizes ⅜" to 1½" inclusive, ½ dozen to box. Sizes 1½" to 2½" inclusive, ¼ dozen to box.

IRWIN Adapter Shank FEATURES

- One Irwin *Adapter Shank* bit does the work of two conventional type bits because it fits *both* hand braces and power drills.
- When taper square shank is removed, 6-flat section chucks perfectly and securely in hand brace.
- Screw point runs true—no wobble, no run-out when used in power drills.
- Eliminates the need to stock both hand brace and power drill bits, cuts inventory cost by 50%.
- Fewer bits to carry or locate on the job.

- Costs less, sells for less to users than competitive bits which do not have the *Adapter Shank* feature.
- All *Adapter Shank* bits are heat treated and tempered full length for extra strength, longest life. Shanks are durable, will not twist off.
- Simple instruction tag attached to each *Adapter Shank* bit at the factory.
- *Adapter Shank* is standard on all Irwin Electrician Bits, Car Bits, Ship Head Car Bits and Pole Bits—giving users this extra feature at no extra cost.

63T 65T

SOLID CENTER CAR BITS

with new Adapter Shank
for both bit braces and power drills



65T SOLID CENTER LONG CAR BITS

12" Twist—18" Overall Length



DESIGN: Solid center type with double cutters and spurs, medium fast screw pitch.
RECOMMENDED USES: Construction jobs, repair work, utility poles, bridge building, dock maintenance—wherever deep, clean holes must be bored.

OVERALL LENGTH: 18" with 12" twist.

SIZES: $\frac{1}{16}$ to $\frac{3}{16}$ ". **WEIGHTS:** See below.

PACKAGED: Sizes up to $\frac{1}{16}$ " one-half dozen to box, larger sizes $\frac{1}{4}$ dozen to box.



63T SOLID CENTER SHORT CAR BITS

8" Twist—12" Overall Length



DESIGN: Solid center type, with double cutters and spurs, medium fast screw pitch.

RECOMMENDED USES: For general carpenter work in all types of lumber.

OVERALL LENGTH: 12" with 8" twist. **SIZES:** $\frac{1}{16}$ to $\frac{1}{8}$ ".

WEIGHTS: See below. **PACKAGED:** $\frac{1}{2}$ dozen to box.

65T AND 63T FEATURES

- Forged from special bit steel, highly polished, original Irwin solid center design.
- Heat treated and tempered full length for extra strength and longest life.
- Quick chip clearance — no clogging, no binding.
- Balanced head gives fast and easy cutting action.
- Protective red plastic coating on head keeps bits factory sharp.
- Irwin Adapter Shank fits *both* hand braces and power drills.

Adapter Shank FITS BOTH HAND BRACES AND POWER DRILLS



Taper square shank fits hand braces



Cut off taper square and use in both power drills and hand braces

65T SIZES AND WEIGHTS

Sizes in 16ths	Weight per dozen in lbs.	Sizes in 16ths	Weight per dozen in lbs.
* 4	2 $\frac{1}{4}$	13	8 $\frac{1}{4}$
* 5	2 $\frac{3}{4}$	14	8 $\frac{3}{4}$
6	3 $\frac{1}{4}$	15	10
7	4	16	10 $\frac{3}{4}$
8	4 $\frac{3}{4}$	17	12
9	5 $\frac{1}{2}$	18	13 $\frac{1}{2}$
10	6 $\frac{1}{4}$	20	14 $\frac{1}{2}$
11	6 $\frac{3}{4}$	22	16
12	7 $\frac{1}{2}$	24	18 $\frac{1}{4}$

*Note: Not available with Adapter Shank.

63T SIZES AND WEIGHTS

Sizes in 16ths	Weight per dozen in lbs.	Sizes in 16ths	Weight per dozen in lbs.
* 4	1 $\frac{1}{4}$	11	4 $\frac{3}{4}$
* 5	1 $\frac{3}{4}$	12	4 $\frac{3}{4}$
6	2 $\frac{1}{4}$	13	5 $\frac{1}{4}$
7	2 $\frac{1}{2}$	14	5 $\frac{3}{4}$
8	3	15	6 $\frac{1}{2}$
9	3 $\frac{1}{2}$	16	6 $\frac{3}{4}$
10	4	..	...

*Note: Not available with Adapter Shank.

See page 14 for complete description of new Irwin Adapter Shank.

IRWIN

every bit as good as the name... since 1885



ELECTRICIAN BITS

with new Adapter Shank
for both bit braces and power drills



3E ELECTRICIAN BIT

6" Twist—10" Overall Length



DESIGN: Solid center with extra fast screw pitch, single cutter and single spur type head for quickest boring action. Adapter Shank permits use in both bit braces and electric drills.

RECOMMENDED USES: Used by electricians, telephone workers, linemen, plumbers and others

for roughing work where a quick, fast hole is desired, such as stringing wire or conduit.

OVERALL LENGTH: 10" with 6" twist.

WEIGHTS AND SIZES: $\frac{1}{16}$, $\frac{1}{8}$, $\frac{1}{4}$ and $\frac{3}{8}$ —see below.

PACKAGED: $\frac{1}{2}$ dozen to box.

31T SHORT ELECTRICIAN BIT

3 1/2" Twist—6 7/8" Overall Length

DESIGN: Solid center type with fast screw pitch, single cutter and spur.

RECOMMENDED USES: Where electricians and telephone installers are cramped for space or where work requires short holes only.

OVERALL LENGTH: 6 7/8" with 3 1/2" twist.

WEIGHTS AND SIZES: $\frac{1}{16}$ and $\frac{2}{16}$ —see below.

PACKAGED: $\frac{1}{16}$ ", $\frac{1}{2}$ dozen to box. $\frac{2}{16}$ ", $\frac{1}{4}$ dozen to box.

32T ELECTRICIAN AUGER BIT

Overall Lengths 7 1/2 to 9 1/2" — depending on size

DESIGN: Solid center, fast screw, single cutter and spur. Adapter Shank permits use in both bit braces and electric drills.

RECOMMENDED USES: For rapid boring and general use by electricians, linemen and others.

OVERALL LENGTHS: 7 1/2 to 9 1/2", depending on size.

WEIGHTS AND SIZES: $\frac{1}{16}$ to $\frac{2}{16}$ —see below.

PACKAGED: $\frac{1}{16}$ to $\frac{1}{8}$ ", $\frac{1}{2}$ dozen to box. $\frac{1}{8}$ and $\frac{2}{16}$ ", $\frac{1}{4}$ dozen to box.

33T SHORT ELECTRICIAN CAR BIT

8" Twist—12" Overall Length

DESIGN: Solid center type with fast screw pitch, single cutter and spur. Adapter Shank permits use in both bit braces and electric drills.

RECOMMENDED USES: Generally used by electricians for boring medium deep holes in general maintenance and construction work.

OVERALL LENGTH: 12" with 8" twist.

WEIGHTS AND SIZES: $\frac{1}{16}$ to $\frac{1}{8}$ "—see below.

PACKAGED: $\frac{1}{2}$ dozen to box.

3E, 31T, 32T, 33T FEATURES

- Made from special bit steel, highly polished.
- Heat treated and tempered full length for extra strength, longest life.
- Fast pitch screws that bite quickly into the wood to give rapid cutting action.
- Wide open throat for quick chip clearance.
- Ground with proper clearance to allow easy removal from hole.
- Heads covered with protective red plastic coating.

SIZES AND WEIGHTS PER DOZEN—3E, 31T, 32T, 33T

Sizes in 16ths	3E Wt. in lbs.	31T Wt. in lbs.	32T Wt. in lbs.	33T Wt. in lbs.
4	....	....	1 1/4	*1 1/4
5	....	....	1 1/2	*1 3/4
6	....	....	1 3/4	2 1/4
7	....	....	2 1/4	2 1/2
8	....	....	2	3
9	....	....	2 1/2	3 1/2
10	3 1/4	....	2 3/4	4
11	3 3/4	*2 1/2	3	4 3/4
12	3 3/4	....	3 1/4	4 3/4
13	4 1/2	....	3 3/4	5 1/4
14	....	....	4	5 3/4
15	....	....	4 1/4	6 1/2
16	....	....	4 1/2	6 3/4
18	....	....	6 1/2	....
20	....	*5 1/2	7	....

*Note: Not available with Adapter Shank.

Adapter Shank FITS BOTH HAND BRACES AND POWER DRILLS



Taper square shank fits hand braces



Cut off taper square and use in both power drills and hand braces

See page 14 for complete description of new Irwin Adapter Shank.



LONG ELECTRICIAN CAR BITS

with new Adapter Shank
for both bit braces and power drills



35T SOLID CENTER CAR BITS

12" Twist—18" Overall Length



DESIGN: Solid center type with fast screw pitch, single spur and cutter.

RECOMMENDED USES: For linemen working on telephone and electric power poles—any operation where long holes must be cut easily and quickly with either hand brace or power drill.

OVERALL LENGTH: 18" with 12" twist. **SIZES:** $\frac{1}{16}$ to $\frac{1}{4}$ ".

WEIGHTS: See below. **PACKAGED:** $\frac{1}{2}$ dozen to box.



315T SINGLE TWIST CAR BITS

12" Twist—18" Overall Length



DESIGN: Single twist type with single spur and cutter for fastest boring action.

RECOMMENDED USES: For electricians, utility workers, plumbers and others who require a wood bit that will cut long holes rapidly in most any kind of wood.

OVERALL LENGTH: 18" with 12" twist. **SIZES:** $\frac{1}{16}$ to $\frac{1}{4}$ ".

WEIGHTS: See below. **PACKAGED:** $\frac{1}{2}$ dozen to box.

35T AND 315T FEATURES

- Made from special bit steel, highly polished.
- Heat treated and tempered full length for extra strength and longest life.
- Quick chip clearance — no clogging, no binding.
- Fastest cutting action in most any type wood.
- Protective red plastic coating on head.
- Irwin Adapter Shank fits *both* hand braces and power drills.

Adapter Shank FITS BOTH HAND BRACES AND POWER DRILLS



Taper square shank fits hand braces



Cut off taper square and use in both power drills and hand braces

35T SIZES AND WEIGHTS

Sizes in 16ths	Weight per dozen in lbs.	Sizes in 16ths	Weight per dozen in lbs.
* 4	2 $\frac{1}{4}$	11	6 $\frac{1}{2}$
* 5	2 $\frac{3}{4}$	12	7 $\frac{1}{4}$
6	3 $\frac{1}{2}$	13	8 $\frac{1}{4}$
7	4	14	8 $\frac{1}{2}$
8	4 $\frac{3}{4}$	15	9 $\frac{1}{4}$
9	5	16	10 $\frac{1}{2}$
10	6	..	....

*Note: Not available with Adapter Shank.

315T SIZES AND WEIGHTS

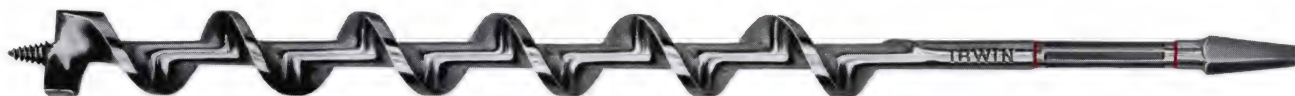
Sizes in 16ths	Weight per dozen in lbs.	Sizes in 16ths	Weight per dozen in lbs.
* 4	2 $\frac{1}{4}$	11	9
* 5	3	12	10 $\frac{1}{2}$
6	3 $\frac{1}{2}$	13	11 $\frac{1}{2}$
7	4	14	14
8	5	15	14 $\frac{3}{4}$
9	6 $\frac{1}{2}$	16	15 $\frac{3}{4}$
10	7 $\frac{1}{4}$	..	....

*Note: Not available with Adapter Shank.



SHIP HEAD CAR BITS

with new Adapter Shank
for both bit braces and power drills



55T SOLID CENTER SHIP HEAD CAR BITS

12" Twist—18" Overall Length



DESIGN: Solid center type with medium fast screw pitch. Ship type head with single cutter and side lip.

RECOMMENDED USES: Widely used for construction and repair work. Preferred by many for boring tough, gummy wood, such as Southern Pine.

OVERALL LENGTH: 18" with 12" twist.

SIZES: $\frac{1}{16}$ to $2\frac{1}{16}$ ". **WEIGHTS:** See below.

PACKAGED: Sizes up to $\frac{1}{16}$ " one-half dozen to box, larger sizes $\frac{1}{4}$ dozen to box.



56T SOLID CENTER SHIP HEAD CAR BITS

18" Twist—24" Overall Length



DESIGN: Solid center with ship type head, single cutter and side lip, medium fast screw pitch.

RECOMMENDED USES: For heavy construction and repairing, bridge building, mines—any job where extra deep holes are required.

OVERALL LENGTH: 24" with 18" twist.

SIZES: $\frac{5}{16}$ to $1\frac{1}{16}$ ". **WEIGHTS:** See below.

PACKAGED: $\frac{5}{16}$ to $1\frac{1}{16}$ " one-half dozen to box, larger sizes $\frac{1}{4}$ dozen to box.

55T AND 56T FEATURES

- Forged from special auger bit steel, fully polished, Irwin solid center design.
- Heat treated and tempered full length for extra strength, longest life.
- Clear, open throat—no clogging, no binding.

- Proper head clearance for easy removal from hole.
- Protective red plastic coating on heads keeps bits factory sharp.
- Exclusive Irwin *Adapter Shank* fits *both* hand braces and power drills.

55T SIZES AND WEIGHTS

Sizes in 16ths	Weight per dozen in lbs.	Sizes in 16ths	Weight per dozen in lbs.
* 4	2 $\frac{1}{4}$	12	7 $\frac{1}{2}$
* 5	2 $\frac{3}{4}$	13	8
6	3 $\frac{1}{2}$	14	9
7	3 $\frac{3}{4}$	15	9 $\frac{3}{4}$
8	4 $\frac{3}{4}$	16	11 $\frac{1}{4}$
9	5 $\frac{1}{2}$	18	13 $\frac{1}{2}$
10	6	20	15
11	6 $\frac{3}{4}$	..	....

*Note: Not available with Adapter Shank.

56T SIZES AND WEIGHTS*

Sizes in 16ths	Weight per dozen in lbs.	Sizes in 16ths	Weight per dozen in lbs.
8	6 $\frac{1}{4}$	14	12
9	7	15	14 $\frac{1}{2}$
10	7 $\frac{3}{4}$	16	15
11	9 $\frac{3}{4}$	17	19 $\frac{1}{4}$
12	10 $\frac{1}{4}$	18	19 $\frac{1}{2}$
13	11 $\frac{1}{2}$	..	....

*All 56T sizes supplied with Adapter Shank.

See page 14 for complete description of new Irwin Adapter Shank.

Adapter Shank FITS BOTH HAND BRACES AND POWER DRILLS



Taper square shank fits hand braces



Cut off taper square and use in both power drills and hand braces



SINGLE TWIST SHIP HEAD CAR BIT

with new Adapter Shank
for both bit braces and power drills

12" Twist—18" Overall Length



DESIGN: Single twist type with single cutter and side lip. Medium fast screw pitch.

RECOMMENDED USES: For large timber and heavy construction where deep boring is required for work in mines, or on docks, bridges, telephone and power poles.

OVERALL LENGTH: 18" with 12" twist.

SIZES: $\frac{1}{8}$ " to $2\frac{1}{8}$ ". **WEIGHTS:** See below.

PACKAGED: $\frac{1}{2}$ dozen to box in sizes $\frac{1}{8}$ " to $1\frac{1}{2}$ ", larger sizes $\frac{1}{4}$ dozen to box.

515T FEATURES

- Special analysis bit steel, fully polished overall.
- Heat treated and tempered full length for extra strength, longest life.
- Throat is wide and open for faster, smoother chip clearance.
- Smooth, accurately ground hollows — no clogging, no binding.
- Head and twist ground to proper clearance for easy removal from hole.
- Rugged and accurately formed cutting head can be sharpened time and again for quick, clean boring and longer life.
- Protective red plastic coating on head keeps bits factory sharp.

Adapter Shank FITS BOTH HAND BRACES AND POWER DRILLS



Taper square shank fits hand braces



Cut off taper square and use in both power drills and hand braces

See page 14 for complete description of new Irwin Adapter Shank.

515T WEIGHTS AND SIZES

Sizes in 16ths	Weight per dozen in lbs.	Sizes in 16ths	Weight per dozen in lbs.	Sizes in 16ths	Weight per dozen in lbs.
* 4	2	9	6 $\frac{1}{4}$	15	14 $\frac{3}{4}$
* 5	2 $\frac{3}{4}$	10	7 $\frac{1}{4}$	16	16
6	3 $\frac{3}{4}$	11	8 $\frac{1}{2}$	17	18
7	4	12	10 $\frac{1}{4}$	18	19 $\frac{1}{4}$
8	5	13	11 $\frac{1}{4}$	20	23
		14	13		

*Note: Not available with Adapter Shank.

IRWIN

every bit as good as the name ... since 1885

520 521

SHIP AUGERS

- with and without screw points
- 3-flats on round shank for use in electric drills
- 10" to 15" twist — depending on size



520 SHIP AUGER WITH SCREW POINT



DESIGN: Single twist type with single cutter and side lip, straight square shank and medium fast screw pitch. Sizes $\frac{5}{16}$ to $\frac{1}{4}$ " have three "flats" ground on round shank for use in electric drills.

RECOMMENDED USES: For heavy construction and repair work performed in mines, or on docks and bridges.

SIZES: $\frac{5}{16}$ to $\frac{3}{8}$ " — see below.

WEIGHTS AND OVERALL LENGTHS: See below.

PACKAGED: Sizes $\frac{5}{16}$ to $\frac{1}{4}$ " one-half dozen to box. $\frac{1}{4}$ " to $\frac{3}{8}$ " one-quarter dozen to box. $\frac{3}{8}$ " one-sixth dozen to box.



521 SHIP AUGER WITHOUT SCREW POINT



DESIGN: Single twist type with single cutter and side lip, straight square shank, no screw point. Sizes $\frac{5}{16}$ to $\frac{1}{4}$ " have three "flats" on round shank for use in electric drills.

RECOMMENDED USES: For heavy construction and repair work. Bits without screw point are recommended when the job calls for boring straight

and true holes in heavy timber.

SIZES: $\frac{5}{16}$ to $\frac{3}{8}$ " — see below.

WEIGHTS AND OVERALL LENGTHS: See below.

PACKAGED: Sizes $\frac{5}{16}$ to $\frac{1}{4}$ " one-half dozen to box. $\frac{1}{4}$ " to $\frac{3}{8}$ " one-quarter dozen to box. $\frac{3}{8}$ " one-sixth dozen to box.

520 AND 521 FEATURES

- Made from special bit steel, hollows are ground, edges polished.
- Heat treated and tempered full length for extra strength and longest life.
- Clear, open throat gives quick chip clearance.
- Straight square shank can be used with auger

handles, or for welding to extension rods.

- Three equally spaced "flats" on round shanks permit use in electric drills—bit sizes 6/16 to 16/16".
- Head and twist ground to proper clearance for easy removal of bit from hole.
- Protective red plastic coating on heads.

*520 AND 521 SIZES AND WEIGHTS

Sizes in 16ths	Overall Length	Weight per dozen in lbs.	Sizes in 16ths	Overall Length	Weight per dozen in lbs.	Sizes in 16ths	Overall Length	Weight per dozen in lbs.
6	14½"	3¾	15	17½"	14¾	25	20"	45
7	14½"	4	16	17½"	16¼	26	20"	49
8	14½"	4½	17	20"	18¾	27	20"	54
9	17½"	6½	18	20"	24	28	20"	56
10	17½"	7¾	19	20"	28	29	20"	64
11	17½"	8¾	20	20"	28½	30	20"	66
12	17½"	10½	21	20"	31	31	20"	69
13	17½"	12	22	20"	33	32	20"	70
14	17½"	13	24	20"	38½	..	...	..

*Note: All sizes supplied with 3 "flats" on round shanks for electric drills.

IRWIN

every bit as good as the name ... since 1885

413T
415T
416T

POLE BITS

with new Adapter Shank
for both bit braces and power drills



415T STANDARD POLE BIT

12" Twist — 6" Shank — 18" Overall Length



DESIGN: Single twist type with single spur, cutter and side lip. Medium fast screw pitch.

RECOMMENDED USES: Specially developed and designed to bore through creosoted poles without clogging, binding or stopping to clear chips. Equally efficient for boring large timbers used in heavy construction work.

OVERALL LENGTH: 18" with 12" twist.

SIZES: $\frac{5}{16}$ to $\frac{17}{16}$ ". **WEIGHTS:** See below.

PACKAGED: Sizes $\frac{5}{16}$ to $\frac{15}{16}$ " one-half dozen to box, $\frac{17}{16}$ " one-quarter dozen to box.

413T SHORT POLE BIT

8" Twist — 4" Shank — 12" Overall Length



DESIGN: Single twist type with single spur, cutter and side lip. Medium fast screw pitch.

RECOMMENDED USES: For boring small poles, cross-arms and light timbers used in construction work.

OVERALL LENGTH: 12" with 8" twist.

SIZES: $\frac{5}{16}$ to $\frac{17}{16}$ ". **WEIGHTS:** See below.

PACKAGED: Sizes $\frac{5}{16}$ to $\frac{15}{16}$ " one-half dozen to box, $\frac{17}{16}$ " one-quarter dozen to box.

416T EXTRA LONG POLE BIT

18" Twist — 6" Shank — 24" Overall Length



DESIGN: Single twist type with single spur, cutter and side lip. Medium fast screw pitch.

RECOMMENDED USES: For boring extra large poles and any other jobs where extra deep holes are required.

OVERALL LENGTH: 24" with 18" twist.

SIZES: $\frac{5}{16}$ to $\frac{17}{16}$ ". **WEIGHTS:** See below.

PACKAGED: Sizes $\frac{5}{16}$ to $\frac{15}{16}$ " one-half dozen to box, $\frac{17}{16}$ " one-quarter dozen to box.

413T, 415T AND 416T FEATURES

- Newly designed cutting head, twist angle and smoothly polished hollows assure a continuous flow of chips.
- Heat treated and tempered full length for extra safety on the pole.
- Irwin Pole-Bits bore clean through creosoted poles without clogging, binding or stopping to clear chips.

- Head and twist ground to proper clearance for easy removal from hole.
- Rust resistant black oxide finish over highly polished special analysis steel.
- 6 precision ground "flats" chuck perfectly in electric drills. No wobble, no run-out.
- Red plastic coating protects heads.



SIZES AND WEIGHTS PER DOZEN

Sizes in 16ths	413T Weight in lbs.	415T Weight in lbs.	416T Weight in lbs.
6	...	3 $\frac{3}{4}$	...
7	...	4	...
8	...	4 $\frac{1}{4}$	...
9	4 $\frac{1}{2}$	5 $\frac{1}{2}$	8
10	5	6 $\frac{1}{2}$	10 $\frac{1}{2}$
11	6	7 $\frac{1}{2}$	11
12	6 $\frac{1}{2}$	8 $\frac{3}{4}$	12 $\frac{1}{2}$
13	7 $\frac{1}{4}$	10	15
14	8	12 $\frac{1}{4}$	16
15	9 $\frac{1}{2}$	14 $\frac{3}{4}$	19
16	10 $\frac{1}{2}$	16	21
17	13	18	24 $\frac{1}{2}$

Adapter Shank FITS BOTH HAND BRACES AND POWER DRILLS



Taper square shank fits hand braces



Cut off taper square and use in both power drills and hand braces

See page 14 for complete description of new Irwin Adapter Shank.

SPECIAL PURPOSE BITS



30TE DOOR LOCK BITS

with new **Adapter Shank** for use in both bit braces and electric drills

DESIGN: One-piece drop forged construction, single cutter and spur, medium slow screw pitch.
RECOMMENDED USES: Made especially for installing cylinder type door locks. Also used by plumbers to bore holes for pipe and conduit.
OVERALL LENGTH: 5¼". **SIZES:** 1½ to 2½".
WEIGHTS: See below. **PACKAGED:** One to box.

30TE DOOR LOCK BIT FEATURES

- Forged in one piece from special bit steel.
- Heat treated and tempered full length for extra strength, longest life.
- Head is properly balanced for use in electric drills.
- Accurately sized for close cylinder lock fit.

30TE SIZES AND WEIGHTS

Sizes	Weight in lbs.	Sizes	Weight in lbs.
1½"	2½	1⅞"	3¼
1¾"	2¾	2"	3½
1¾"	3	2½"	3¾

30-R Roll Set—Five No. 30TE Bits. Set includes one each in sizes 1½, 1¾, 1⅞, 2 and 2½" in handy red plastic roll. Each bit held in individual pocket. **Packaged:** One set to box. **Weight:** 1½ lbs.



700 SERIES SCREW DRIVER BITS

DESIGN: Forged in one piece with taper square shank for use in all standard bit braces.
RECOMMENDED USES: For driving large numbers of screws or when more pressure is required than can be exerted with a screw driver.
OVERALL LENGTH: 5".
SIZES: ¼, ⅝, ¾ and 1½" tip widths.
WEIGHTS: See below.
PACKAGED: ¼ and ⅝" one dozen to box, ¾ and 1½" one-half dozen to box.

700 Series Screw Driver Bit Features. Forged from high grade bit steel, heat treated full length, fully polished. Flats, points and edges accurately ground.

700 SERIES SIZES AND WEIGHTS

Sizes	Width of Blade Tips	Weight per dozen in lbs.
4	¼"	¾
5	⅝"	1
6	¾"	1½
8	1½"	1¾

DOOR LOCK BITS DOWEL BITS FLATHEAD AUGER BITS TAPPING BITS SCREW DRIVER BITS



61T DOWEL BITS

DESIGN: Solid center type with double cutters and spurs, medium fast screw pitch.
RECOMMENDED USES: For boring short and accurate holes for dowel pins.
OVERALL LENGTH: 4½" with 2" twist.
SIZES: ⅝, ¾, ⅞, 1 and 1½".
WEIGHT: Approximately 1 lb. per dozen.
PACKAGED: ½ dozen to box.



61T Dowel Bit Features. Made from special bit steel and fully polished. Heat treated and tempered full length for extra strength and longest life. Heads ground to close tolerances to assure snug dowel pin fit.



72T FLATHEAD AUGER BITS

DESIGN: Solid center with flat type head having two cutters and two side lips, fast pitch screw point.
RECOMMENDED USES: For boring faster, cleaner holes in hardwoods and end timber.
OVERALL LENGTH: 7½ to 9", depending on size.
SIZES: ⅝ to 1½"—see below.
PACKAGED: ½ dozen to box.



72T Flathead Auger Bit Features. Made from special bit steel, fully polished, heat treated and tempered full length. Fast pitch screw point is heavy and coarse to take firm grip on wood.

72T SIZES AND WEIGHTS

Sizes in 16ths	Weight per dozen in lbs.	Sizes in 16ths	Weight per dozen in lbs.
4	1¼	11	3
5	1¼	12	3¼
6	1½	13	3¾
7	1¾	14	4
8	2	15	4¼
9	2½	16	4½
10	2¾	..	...



91T SUGAR TREE TAPPING BITS

DESIGN: Solid center with special flat type cutters and medium fast screw pitch.
RECOMMENDED USES: A special bit for tapping sugar trees.
OVERALL LENGTH: 6" with 2½" twist.
SIZES: ⅝, ¾ and ⅞".
WEIGHT: Approximately 1 lb. per dozen.
PACKAGED: ½ dozen to box.



91T Sugar Tree Tapping Bit Features. Special bit steel, heat treated full length, highly polished overall. Leaves hole smooth at bottom for quicker healing of tree. Shank fits both hand braces and electric drills.

RING AUGERS NUT AUGERS DERRICK AUGERS

SPECIAL PURPOSE BITS



66-0 RING AUGER



DESIGN: Solid center with heavy, coarse feed screw point and double-cutter type head. Ring made of highest grade malleable and electrically welded to shank. Supplied with or without auger handles.

RECOMMENDED USES: Where drill or brace does not

give the required boring power and in areas where electricity is not available.

OVERALL LENGTH: 24" with 16" twist.

SIZES: $\frac{9}{16}$ to $\frac{37}{16}$ ".

WEIGHTS: See below. **PACKAGED:** Individually wrapped.

76-0 RING AUGER



DESIGN: Solid center with heavy, coarse feed screw point and flat type cutting head. Ring made of highest grade malleable and electrically welded to shank. Supplied with or without auger handles.

RECOMMENDED USES: For boring hard timber and end grain holes in areas where electricity is not available and

where drill or brace does not give the required boring power to do the job.

OVERALL LENGTH: 24" with 16" twist.

SIZES: $\frac{9}{16}$ to $\frac{37}{16}$ ".

WEIGHTS: See below. **PACKAGED:** Individually wrapped.



74N NUT AUGER



DESIGN: Solid center with heavy, coarse feed screw point and flat type cutting head. Shank threaded for nut to hold handle.

RECOMMENDED USES: For boring in wood where more

power is required than can be obtained from a bit brace.

OVERALL LENGTH: 18" with 10" twist.

SIZES: $\frac{29}{16}$, $\frac{24}{16}$, $\frac{28}{16}$ and $\frac{32}{16}$ ".

WEIGHTS: See below. **PACKAGED:** $\frac{1}{4}$ dozen to box.



79N DERRICK AUGER



DESIGN: Solid center with heavy, coarse feed screw point and flat type cutting head. Polished twist section with black lacquered shank. Shank threaded for nut to hold handle.

RECOMMENDED USES: For boring holes in oil derricks and other heavy timber work.

OVERALL LENGTH: 36" with 18" twist.

SIZES: $\frac{9}{16}$ to $\frac{37}{16}$ ".

WEIGHTS: See below. **PACKAGED:** One to box.

RING, NUT AND DERRICK AUGER FEATURES

Each auger heat treated and tempered full length for longest life. Irwin balanced head design gives easier cutting action, cleaner holes. Red plastic coating protects heads.

WEIGHTS PER DOZEN BITS

Sizes in 16ths	66-0 Wt. in lbs.	76-0 Wt. in lbs.	74N Wt. in lbs.	79N Wt. in lbs.	Sizes in 16ths	66-0 Wt. in lbs.	76-0 Wt. in lbs.	74N Wt. in lbs.	79N Wt. in lbs.
6	9	9	..	..	16	19	19	....	24
8	11	11	..	12	18	23	23	....	26
10	12 1/2	12 1/2	..	15	20	25	25	14 1/2	29
12	15	15	..	18	22	28	..	....	..
13	....	....	..	20	24	30	30	19 1/2	35
14	16 1/2	16 1/2	..	21	28	34	34	24	42
15	....	....	..	22	32	37	37	29	51

IRWIN

every bit as good as the name ... since 1885

A2·A1
A4·A5

STUMP AUGERS EARTH AUGERS



A2 STUMP AUGER - WITH CRANK

18" Twist—6 ft. Overall Length

DESIGN: Solid center with flat type head having two cutters and side lips. Fully polished twist section. Ball bearing crank handle made of $\frac{5}{8}$ " steel, firmly attached to auger, black lacquer finish.

RECOMMENDED USES: For boring blasting holes in tree stumps.

SIZES: 1, 1 $\frac{1}{4}$ and 1 $\frac{1}{2}$ " diameters.

WEIGHTS: See below. **PACKAGED:** Individually.



A1 STUMP AUGERS ONLY - WITHOUT CRANK

18" Twist—22" Overall Length

Available in 1, 1 $\frac{1}{4}$ and 1 $\frac{1}{2}$ " diameters. Can be welded to crank or extension rod. See below for weight of individual size.



A4 STUMP AUGER

16" Twist—4 $\frac{1}{2}$ ft. Overall Length

DESIGN: Solid center with flat type head having two cutters and side lips. Supplied with heavy duty hardwood handle which is securely anchored to extra strong ring holder. Handle shaped to give firm grip. Polished edges, hollows and shank have black lacquer finish.

RECOMMENDED USES: For boring blasting holes in tree stumps.

SIZES: 1 $\frac{1}{2}$, 1 $\frac{3}{4}$ and 2".

WEIGHTS: See below. **PACKAGED:** Individually.

STUMP AUGER FEATURES

- Thick, coarse screw points give extra grip in all types of wood.
- Faster and easier boring action.
- Stems made extra strong to withstand heavy stress and strain.
- Made of special bit steel for longest life, economical service.



A5 EARTH AUGER

12" Twist—5 ft. Overall Length

DESIGN: Double twist with flat type head having two cutters and side lips.

RECOMMENDED USES: For boring into hard soil, soil testing and tree feeding. Also used to cut blasting holes under tree stumps.

SIZES: 1 $\frac{3}{4}$ and 2".

WEIGHTS: See below. **PACKAGED:** Individually.



A5 — Auger Only. Extra earth augers are available *without* pipe and handle in both 1 $\frac{3}{4}$ " and 2" sizes. Specify A5 — "auger only" — when ordering. See below for weight of individual size.

EARTH AUGER FEATURES

- Special designed screw point pulls efficiently in all types of soil.
- Handle cross bar is jointed to permit extensions to be added for extra deep boring.
- All edges fully polished, shank and hollows have black lacquer finish.
- Special bit steel gives extra strength and longest life.

SIZES AND WEIGHTS EACH—A2, A1, A4, A5

Sizes	A2	A1	A4	A5	A5
	Wt. in lbs.	Auger only Wt. in lbs.	Wt. in lbs.	Wt. in lbs.	Auger only Wt. in lbs.
1"	8	1 $\frac{3}{8}$	...	...	...
1 $\frac{1}{4}$ "	8 $\frac{1}{2}$	2	...	...	...
1 $\frac{1}{2}$ "	9	2 $\frac{1}{2}$	7 $\frac{3}{8}$	...	...
1 $\frac{3}{4}$"	...	...	8	12	3 $\frac{1}{4}$
2"	...	...	8 $\frac{1}{2}$	12 $\frac{1}{2}$	3 $\frac{3}{4}$

41H18 • 41H24**51H12 • 51H18****3H12 • 3H18****51S12 • 51S18**

IMPACT WRENCH WOOD BITS

hex drive and female square socket types
for lineman and general construction work



41H18 and 41H24 • 18" and 24" Overall Lengths

Hex Drive Type for Quick Change Chucks

DESIGN: Single Spur, Single Twist.

OVERALL LENGTHS: 41H18-18".

41H24-24".

SHANK SIZES: $\frac{7}{16}$ " and $\frac{5}{8}$ " Hex.

BIT SIZES: See below.

WEIGHTS: See below.

PACKAGED: Sizes to $\frac{1}{16}$ " one-half dozen to box.

Size $\frac{1}{16}$ " one-quarter dozen to box.



51H12 and 51H18 • 12" and 18" Overall Lengths

Hex Drive Type for Quick Change Chucks

DESIGN: Ship Head, Single Twist.

OVERALL LENGTHS: 51H12 — 12".

51H18 — 18".

SHANK SIZES: $\frac{7}{16}$ " and $\frac{5}{8}$ " Hex.

BIT SIZES: See below.

WEIGHTS: See below.

PACKAGED: Sizes to $\frac{1}{16}$ " one-half dozen to box.

Size $\frac{1}{16}$ " one-quarter dozen to box.



3H12 and 3H18 • 12" and 18" Overall Lengths

Hex Drive Type for Quick Change Chucks

DESIGN: Electrician Head, Solid Center.

OVERALL LENGTHS: 3H12 — 12".

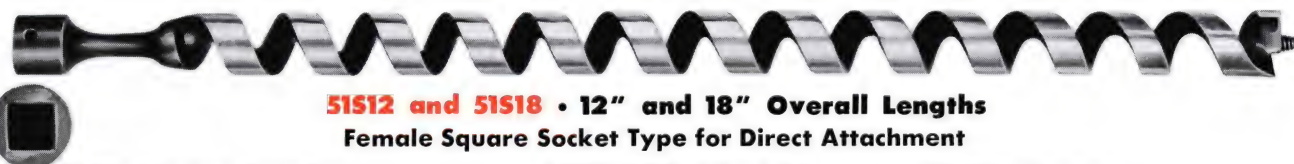
3H18 — 18".

SHANK SIZES: $\frac{7}{16}$ " and $\frac{5}{8}$ " Hex.

BIT SIZES: See below.

WEIGHTS: See below.

PACKAGED: One-half dozen to box.



51S12 and 51S18 • 12" and 18" Overall Lengths

Female Square Socket Type for Direct Attachment

DESIGN: Ship Head, Single Twist.

OVERALL LENGTHS: 51S12 — 12".

51S18 — 18".

SHANK SIZES: $\frac{1}{2}$ " and $\frac{5}{8}$ "

Female Square Socket.

BIT SIZES: See below.

WEIGHTS: See below.

PACKAGED: One-half dozen to box.

- Forged from solid bars of special tool steel. No welds to break.
- Heat treated full length for extra strength and extra safety.

- Cutting action is continuous, smoother, faster. More work can be done in less time.
- Bores clean through. No clogging, no binding, no stopping to clear chips.

- Available with $\frac{7}{16}$ " and $\frac{5}{8}$ " hex shanks for use with quick change chucks and $\frac{1}{2}$ " and $\frac{5}{8}$ " female square socket drives for direct attachment.

RECOMMENDED USES:

For boring faster, cleaner, easier, safer in telephone and power poles, crossarms and heavy timbers.

SIZES AND WEIGHTS PER DOZEN FEMALE SQUARE SOCKET TYPE

Sizes in 16ths	51S12 Weight per doz.		51S18 Weight per doz.	
	$\frac{1}{2}$ " Sq.	$\frac{5}{8}$ " Sq.	$\frac{1}{2}$ " Sq.	$\frac{5}{8}$ " Sq.
9	5 $\frac{3}{4}$ lbs.	5 $\frac{3}{4}$ lbs.	7 lbs.	7 $\frac{3}{4}$ lbs.
11	7	7 $\frac{1}{2}$	10	10 $\frac{1}{2}$
13	8 $\frac{1}{2}$	9	12 $\frac{3}{4}$	13 $\frac{1}{2}$

SIZES AND WEIGHTS PER DOZEN — HEX SHANK TYPES

Sizes in 16ths	41H18 Weight per doz.		41H24 Weight per doz.		51H12 Weight per doz.		51H18 Weight per doz.		3H12 Weight per doz.		3H18 Weight per doz.	
	$\frac{7}{16}$ " Hex	$\frac{5}{8}$ " Hex	$\frac{7}{16}$ " Hex	$\frac{5}{8}$ " Hex	$\frac{7}{16}$ " Hex	$\frac{5}{8}$ " Hex	$\frac{7}{16}$ " Hex	$\frac{5}{8}$ " Hex	$\frac{7}{16}$ " Hex	$\frac{5}{8}$ " Hex	$\frac{7}{16}$ " Hex	$\frac{5}{8}$ " Hex
8	....	....	....	....	4 $\frac{1}{2}$ lbs.	6 $\frac{1}{4}$ lbs.	...	...	...	...	...	...
9	6 $\frac{3}{4}$ lbs.	8 $\frac{3}{4}$ lbs.	9 $\frac{1}{4}$ lbs.	11 $\frac{1}{4}$ lbs.	4 $\frac{3}{4}$	6 $\frac{3}{4}$	6 $\frac{3}{4}$ lbs.	8 $\frac{3}{4}$ lbs.	5 $\frac{1}{4}$ lbs.	6 $\frac{3}{4}$ lbs.	7 $\frac{1}{4}$ lbs.	9 $\frac{1}{2}$ lbs.
11	8 $\frac{3}{4}$	11 $\frac{1}{4}$	12 $\frac{1}{4}$	14 $\frac{3}{4}$	6	8	8 $\frac{3}{4}$	11 $\frac{1}{4}$	6 $\frac{1}{2}$	9	9 $\frac{3}{4}$	12 $\frac{1}{4}$
13	11 $\frac{1}{2}$	13 $\frac{1}{2}$	16 $\frac{1}{2}$	18 $\frac{1}{2}$	7 $\frac{3}{4}$	9 $\frac{1}{2}$	11 $\frac{1}{2}$	13 $\frac{1}{2}$	7 $\frac{1}{2}$	10 $\frac{1}{2}$	11 $\frac{1}{2}$	14
15	14 $\frac{1}{2}$	16 $\frac{1}{2}$	19 $\frac{1}{2}$	21 $\frac{1}{2}$	...	...	14 $\frac{1}{2}$	16 $\frac{1}{2}$	...	...	...	...
17	19 $\frac{1}{2}$	21	26	28 $\frac{1}{2}$	13	...	19 $\frac{1}{2}$	21	...	...	...	...

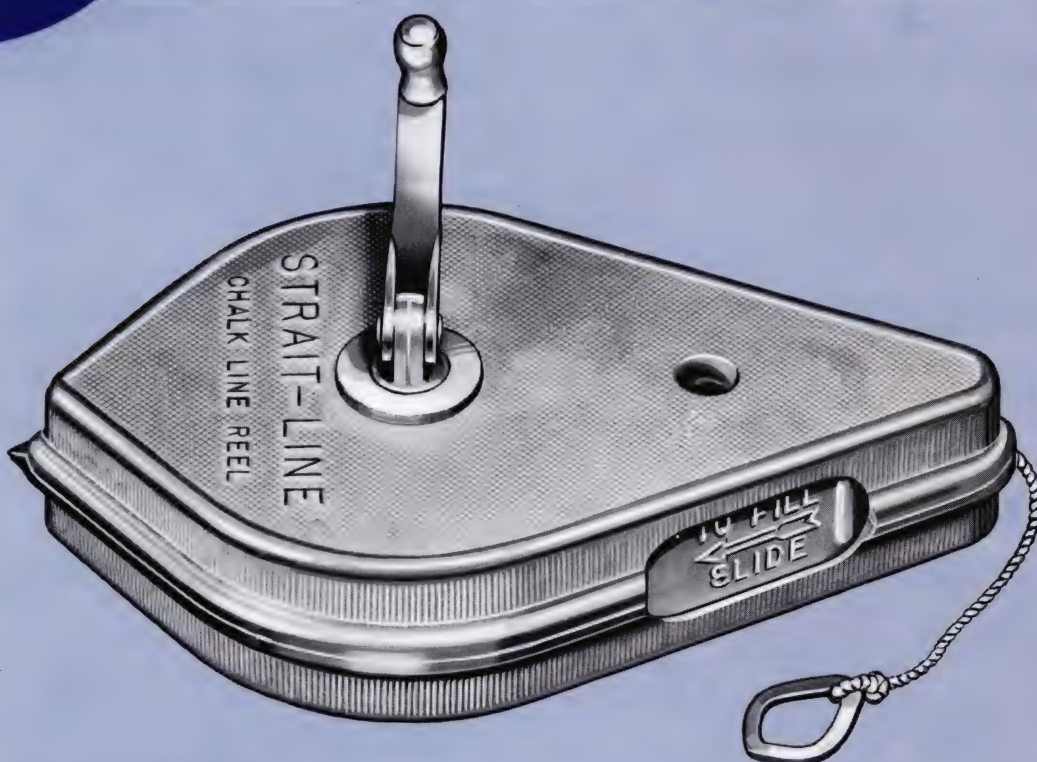
NOTE: Be sure to specify shank size on your order.



STRAIT-LINE SELF CHALKING REEL BOXES

50 ft. and 100 ft. lines

DOUBLES
AS A
PLUMB
BOB



NEW ALL THE WAY THROUGH

new design . . . new easy-to-sell-features . . . new packaging . . . best value pricing

- Precision made . . . fewer parts
- Self-chalking . . . easy action reel
- Durable aluminum alloy box
- Leak-proof . . . practically damage proof
- Fits the pocket . . . fits the hand
- Sure-grip design . . . easier to hold
- Lifetime nylon slide-fill opening
- Easier to fill without spill
- Reversible line guides
- Self-locking plated handle
- Hold-tite plated anchor ring
- New self-serve hang-up box



NEW IRWIN STRAIT-LINE REEL BOX DISPLAY

All Irwin Strait-Line Reel Boxes packaged in this attractive hang-up display for more self-serve sales. Hangs on nail or pin, stacks conveniently in display bins or shelf areas.

ORDERING AND PACKAGING

Stock: No. 125-50 — 50 ft. line.

No. 125-100 — 100 ft. line.

Packaged: One to Irwin Hang-Up Display Box, 144 to shipping container.

Weight: 6 lbs. per dozen reel boxes.

**NEW
FROM
IRWIN**

STRAIT-LINE MICRO-FINE CHALK and TITE-SNAP CHALK LINES

for all reel type chalk line boxes
new packaging . . . new displays . . . new selling power

STRAIT-LINE MICRO-FINE CHALK choice of 4 popular colors



Gives up to 5 times more marking power. Packaged in new "easy-fill" cylinder type containers. Complete range of 4 popular chalk line colors. Packaged 12 containers to display carton.

STOCK: No. 125B — Blue. No. 125Y — Yellow.
No. 125R — Red. No. 125W — White.

PACKAGED: 12 one-ounce cylinders per display carton; 48 cartons to shipping container.

WEIGHT: 1 lb. per display carton of 12.

ALSO AVAILABLE in ½ lb. cylinder containers and 5 lb., 25 lb., and 50 lb. fiberboard drums.

STRAIT-LINE TITE-SNAP CHALK LINES 50 ft. and 100 ft. lengths



Tight and true snapping action. Highest tensile strength cord. Extra resilient, extra strong, longer-lasting. Individually packaged in durable polyethylene bag, 6 lines to display carton.

STOCK: No. 50 — 50 ft. line.
No. 100 — 100 ft. line.

PACKAGED: 6 lines per display carton, 24 cartons to shipping container.

WEIGHT: 1 lb. per dozen.

NEW ½ POUND CHALK CONTAINER

with "easy fill"
metal spout



A growing favorite with many wholesalers and dealers. Extra economy and convenience for users assures faster turnover, bigger unit sales. Comes in four popular colors.

STOCK: 8B — Blue 8Y — Yellow
8R — Red 8W — White

PACKAGED: 24 to Rigid-Pak shipping case.

WEIGHT: 16 lbs. per case.

BIG AND GROWING MARKET

Purchases of Irwin Strait-Line self-chalking reel boxes, chalk refills and replacement chalk lines continue to increase. The market will be even bigger as our population, business economy and personal incomes expand. Irwin's line-up of quality Strait-Line products offers a timely opportunity for increased sales to the home handyman, floor covering and tile installers, painters, carpenters, paper hangers, roofers, contractors, lathers, plasterers; brick, mortar and stone masons, plus hundreds of other types of craftsmen. Be sure to get your share of the big and growing market.

STRAIT-LINE

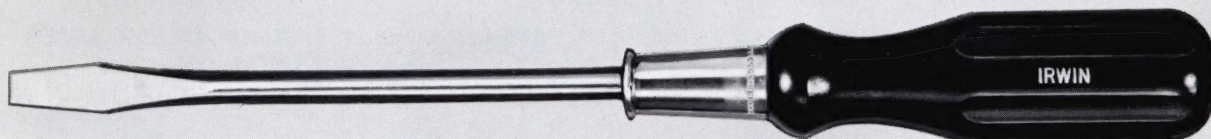
...makes a perfect chalk line every time

IRWIN

NU-SERIES

SCREW DRIVERS

Complete line . . . highest quality . . . all sizes and types . . . both wood and plastic handle designs . . . available with Machinist, Cabinet and Phillips blades



WRITE FOR FREE CATALOG. Irwin Nu-Series screw drivers are designed for wholesalers who want to sell a complete line of quality drivers at prices that assure fastest turnover and consistently good profit margins for themselves and their retail dealers.

Only a sample selection of Irwin Nu-Series drivers are shown here. Free complete-line catalog and prices will be mailed at your request.



NO. "300" SERIES

Black satin finish hardwood handle. Blades heat treated full length and fully polished. Heavy plated steel ferrule securely fastened to handle. Highest quality wood handle driver for the price.

Sizes	Blade Widths	Length Overall	Weight Per Dozen—Lbs.
1" Stubby	1/4"	3 3/8"	1
2"	3/16"	6"	1 1/4
3"	3/16"	7"	1 1/2
4"	1/2"	8 1/2"	2
5"	3/16"	10 1/2"	3 1/2
6"	3/16"	11 1/2"	3 3/4
8"	3/8"	14"	6
10"	3/8"	17"	7 1/2
12"	3/8"	19"	8



NO. "300-C" SERIES

Thin-blade type driver with beautiful black satin finish hardwood handle. High carbon steel blades heat treated overall—fully polished. Heavy steel plated ferrule securely fastened to handle.

Sizes	Blade Widths	Length Overall	Weight Per Dozen—Lbs.
2"	3/16"	6"	1 1/4
3"	3/16"	7"	1 1/4
4"	3/16"	8"	1 1/4
5"	3/16"	9"	1 1/2
6"	3/16"	10"	1 3/4
8"	3/16"	12"	2
10"	3/16"	14"	2 1/4



NO. "3000" SERIES

Black finish hardwood handle. Phillips blades of carbon steel are heat treated overall, fully polished. Plated steel ferrule crimped to handle.

Sizes	Blade Widths	Point No.	Fits Screw Sizes	Length Overall	Wt. Per Doz.—Lbs.
1 1/2"	1/4"	2	5 to 9 inc.	3 3/4"	1 1/4
3"	3/16"	1	4 & smaller	7"	1 1/4
4"	1/4"	2	5 to 9 inc.	8 1/2"	2 1/4
6"	3/8"	3	10 to 16 inc.	11 1/2"	3 3/4
8"	3/8"	4	18 & larger	14"	6



NO. "400" SERIES

Amber plastic IRWINITE handles—clear, tough, shock resisting. Specially formed for comfortable, easy grip. Machinist blades full tempered—highly polished. Available in all sizes as shown.

Sizes	Blade Widths	Length Overall	Weight Per Dozen—Lbs.
1" Stubby	1/4"	3"	1 1/2
2"	3/16"	5 1/8"	1 1/4
3"	3/16"	6 1/8"	1 1/2
4"	1/2"	7 3/8"	2 1/4
5"	3/16"	9 1/8"	3 1/2
6"	3/16"	10 1/8"	4
8"	3/8"	12 3/8"	6 1/4
10"	3/8"	15"	7 1/2
12"	3/8"	17"	8 1/2



NO. "400-C" SERIES

Handles of clear, tough, shock-resisting, IRWINITE amber plastic, specially formed for comfortable, easy grip. Thin Blade type for electrical and radio work. Tempered full length, polished.

Sizes	Blade Widths	Length Overall	Weight Per Dozen—Lbs.
2"	3/16"	5 1/4"	1 1/4
3"	3/16"	6 1/8"	1 1/2
4"	3/16"	7 1/8"	1 3/4
6"	3/16"	9 1/8"	2 1/4
8"	3/16"	11 1/8"	2
10"	3/16"	13 1/8"	2 1/4



NO. "4000" SERIES

IRWINITE amber plastic handles, clear, tough, shock-resisting. Specially formed for comfortable, easy grip. Phillips type ALLOY blades, full tempered, highly polished.

Sizes	Blade Widths	Point No.	Fits Screw Sizes	Length Overall	Wt. Per Doz.—Lbs.
1 1/2"	1/4"	2	5 to 9 inc.	3 3/4"	1 1/4
3"	3/16"	1	4 & smaller	6 1/8"	1 1/2
4"	1/4"	2	5 to 9 inc.	7 3/8"	2 1/4
6"	3/8"	3	10 to 16 inc.	10 1/8"	4
8"	3/8"	4	18 & larger	12 3/8"	6 1/4



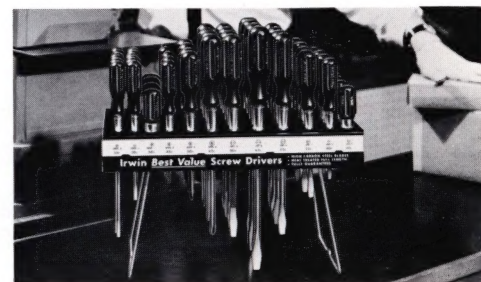
SPECIAL 7 DRIVER SETS

No. 300-M7 with ebony black hardwood handles. One each 2", 3", 4" No. 300 Series round blade. One each 4", 6", 8", 10" No. 300 S square blade.

Weight Per Set: 2 lbs. **Packaged:** One set to box.

No. 300-M8 with ebony black hardwood handles. One each 1", 3", 4" No. 300 Series round blade. One each 4", 6", 10" No. 300 S square blade. One 4" No. 3000 Phillips blade.

Weight Per Set: 2 lbs. **Packaged:** One set to box.



FREE SCREW DRIVER MERCHANDISERS WITH No. 3 AND No. 4 ASSORTMENTS

No. 4 Assortment consists of 50 Best Value Irwinite Plastic Handle Screw Drivers and 6 Irwin Screw Driver Bits. No. 3 Assortment brings you 52 Best Value Irwin Wood Handle Screw Drivers. Free merchandiser with each assortment of 12 fastest selling sizes. Hangs or stands in only 15" of space. Steel legs and peg board hooks come with unit. Displays all regular screw drivers sold in retail stores. Durable metal construction. Pre-priced cards supplied. Mark-ups on original assortments from 61% to 70%. Mark-ups on fill-in stocks up to 78%.

Weights: No. 3 — 12 3/4 lbs., No. 4 — 12 lbs. **Packaged:** One to box — complete

IRWIN

the original solid
center auger bit
screw drivers
screw driver bits



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